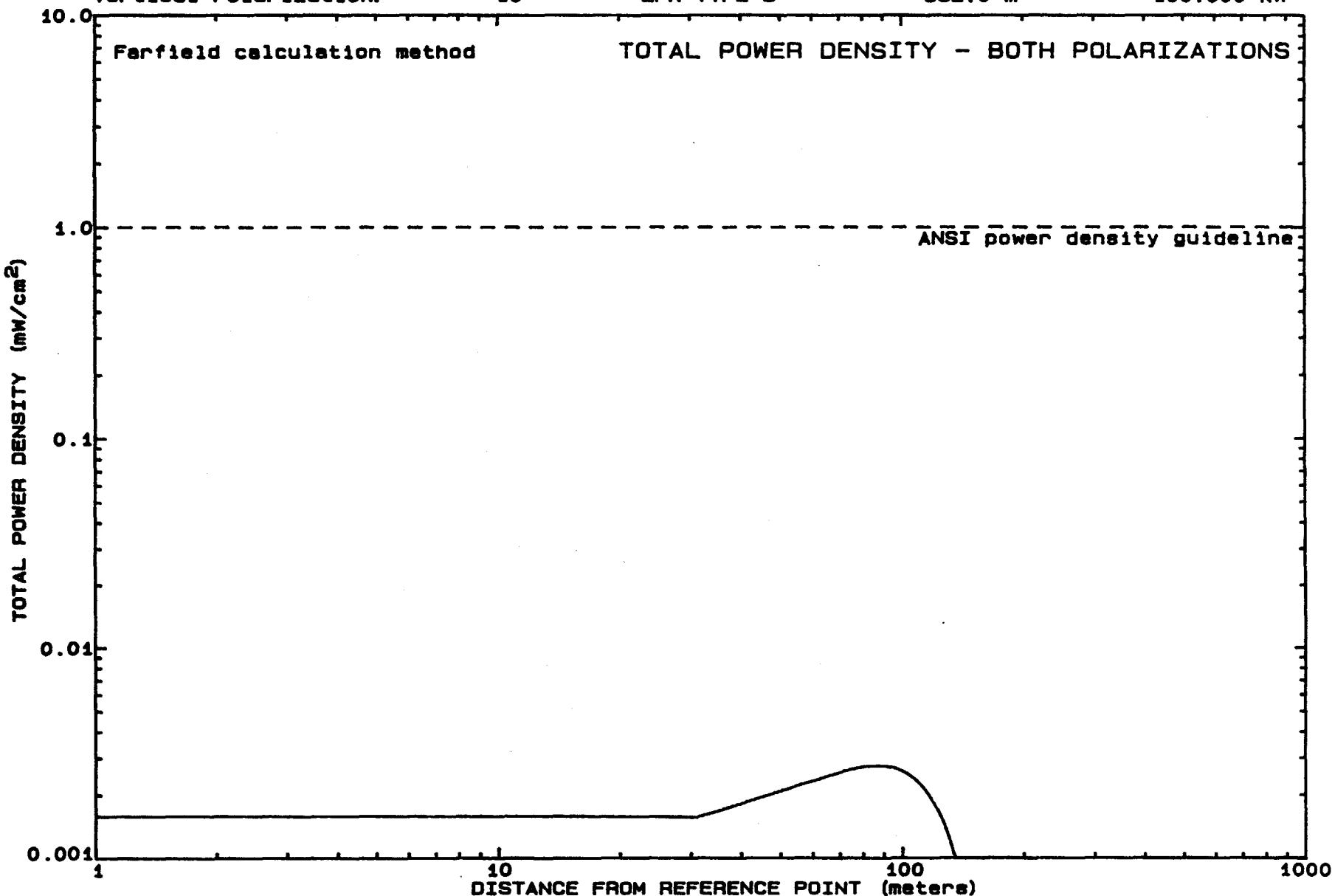
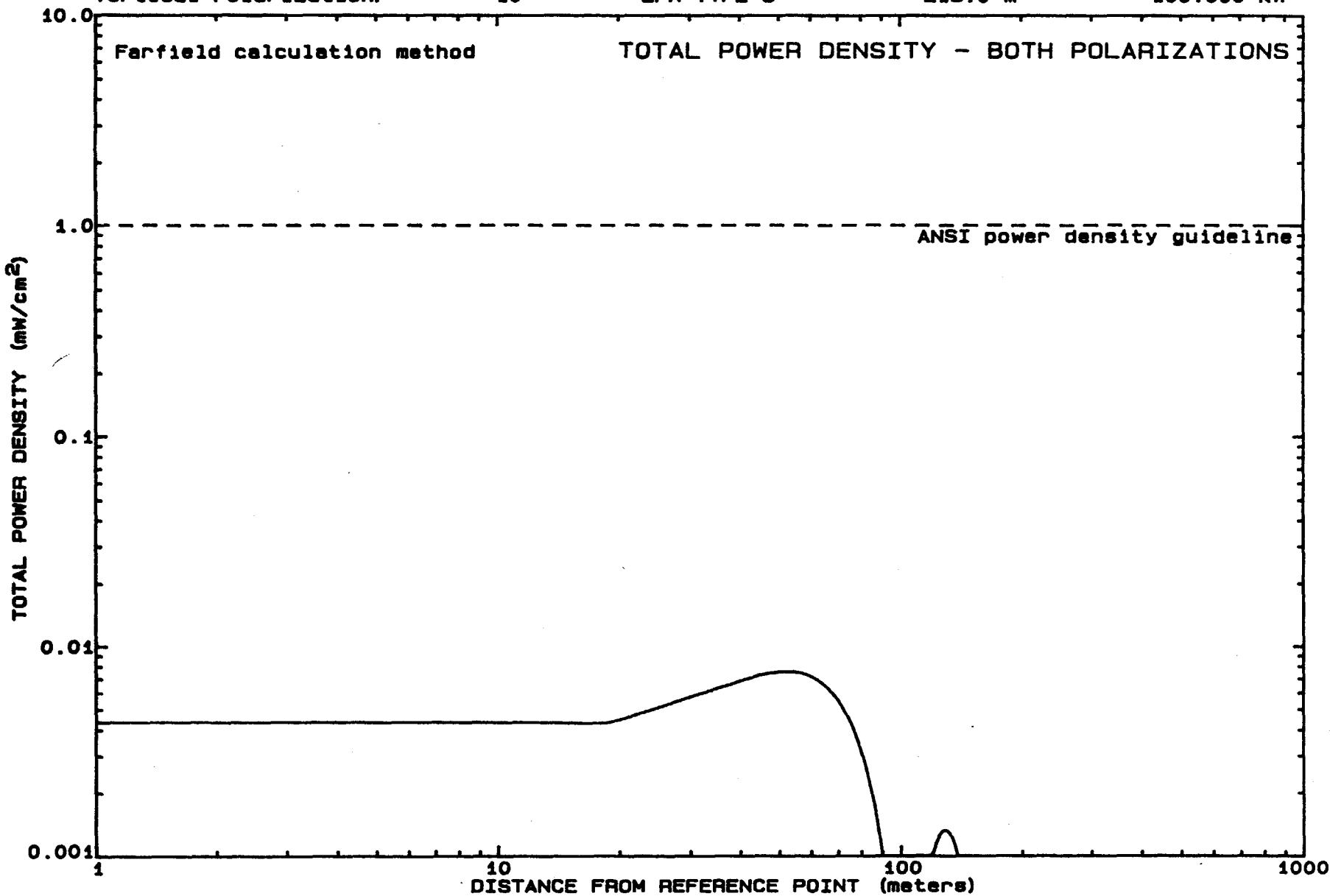


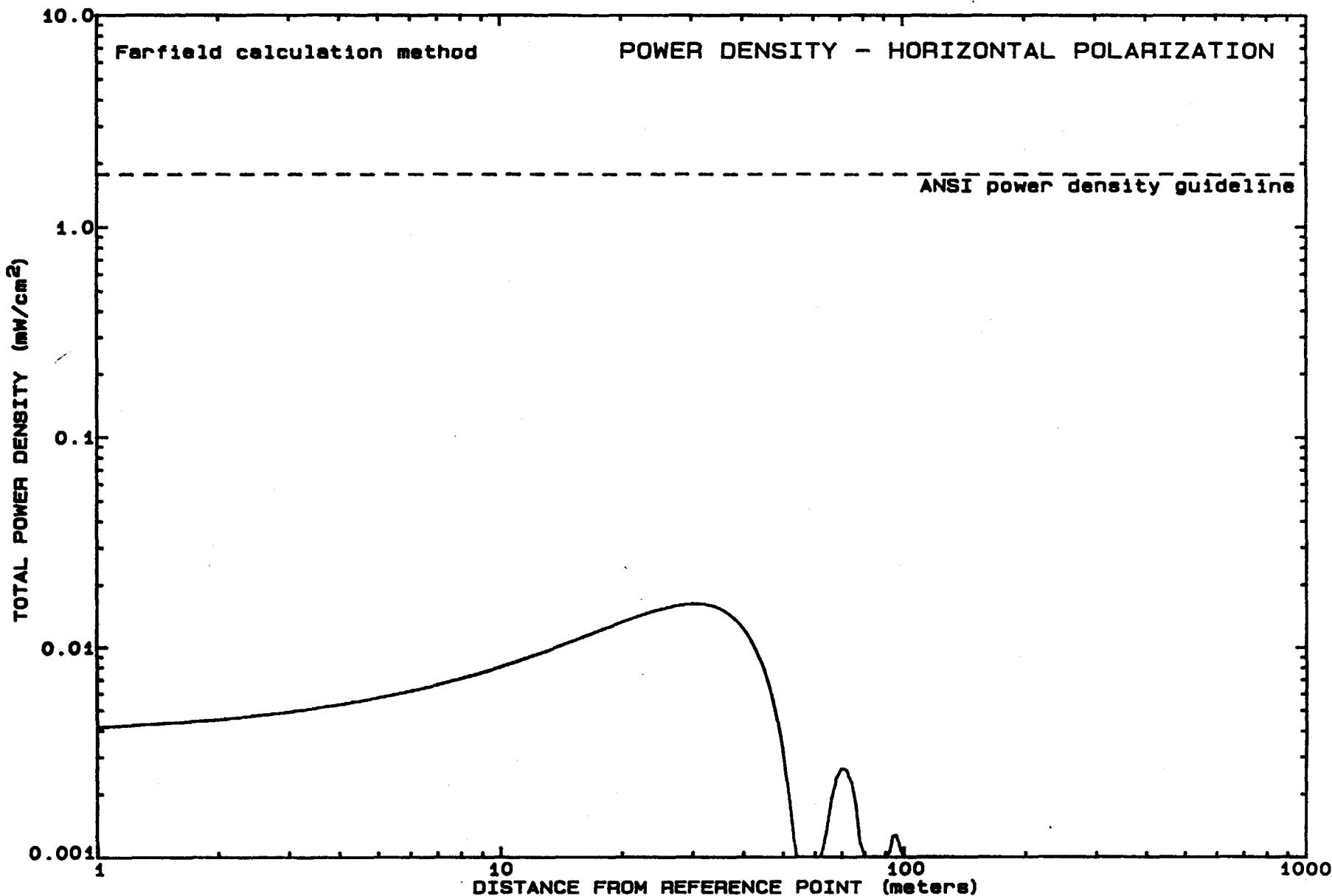
Station: WDIZ      Frequency: 100.300 MHz      Height of Observer (ARP): 2.0 Meters  
 No. of Elements      Element Type      Height of Center (ARP)      Power (ERPd)  
 Horizontal Polarization: 10      EPA TYPE 3      352.0 m      100.000 kW  
 Vertical Polarization: 10      EPA TYPE 3      352.0 m      100.000 kW



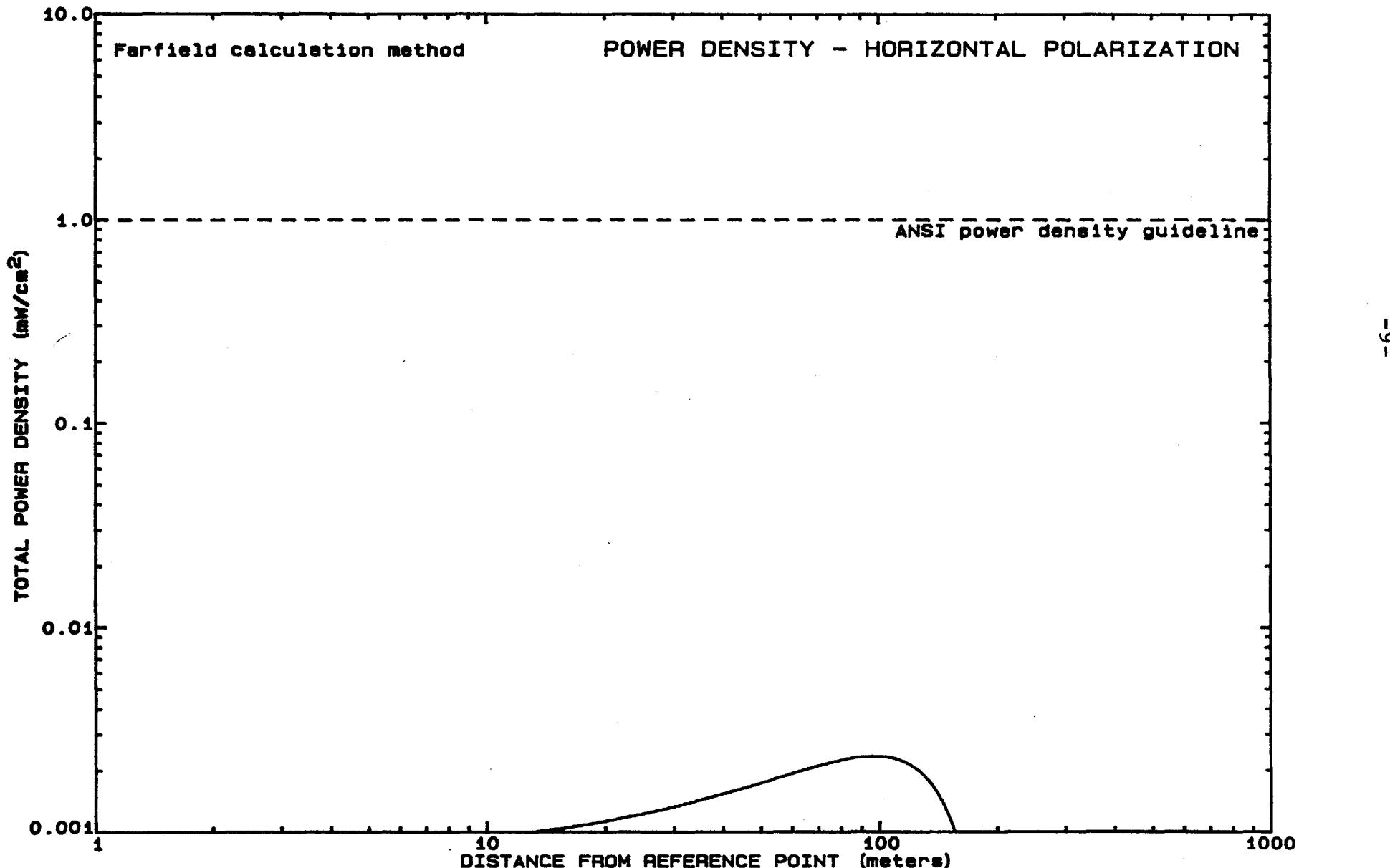
Station: WMFE      Frequency: 90.700 MHz      Height of Observer (ARP): 2.0 Meters  
 No. of Elements      Element Type      Height of Center (ARP)      Power (ERPd)  
 Horizontal Polarization: 10      EPA TYPE 3      213.0 m      100.000 kW  
 Vertical Polarization: 10      EPA TYPE 3      213.0 m      100.000 kW



Station: WMFE      Frequency: 531.250 MHz      Height of Observer (ARP): 2.0 Meters  
No. of Elements      Element Type      Height of Center (ARP)      Power (ERPd)  
Horizontal Polarization: 28      UHF ELEMENT      213.0 m      \*\*\*\*\* kW



Station: WFTV      Frequency: 187.250 MHz      Height of Observer (ARP): 2.0 Meters  
Horizontal Polarization: 12      No. of Elements      Element Type      Height of Center (ARP)      Power (ERPd)  
VHF ELEMENT      469.0 m      316.000 kW



Station: WCPX      Frequency: 89.240 MHz      Height of Observer (ARP): 2.0 Meters  
 No. of Elements      Element Type      Height of Center (ARP)      Power (ERPd)  
 Horizontal Polarization:      6      VHF ELEMENT      438.0 m      100.000 kW

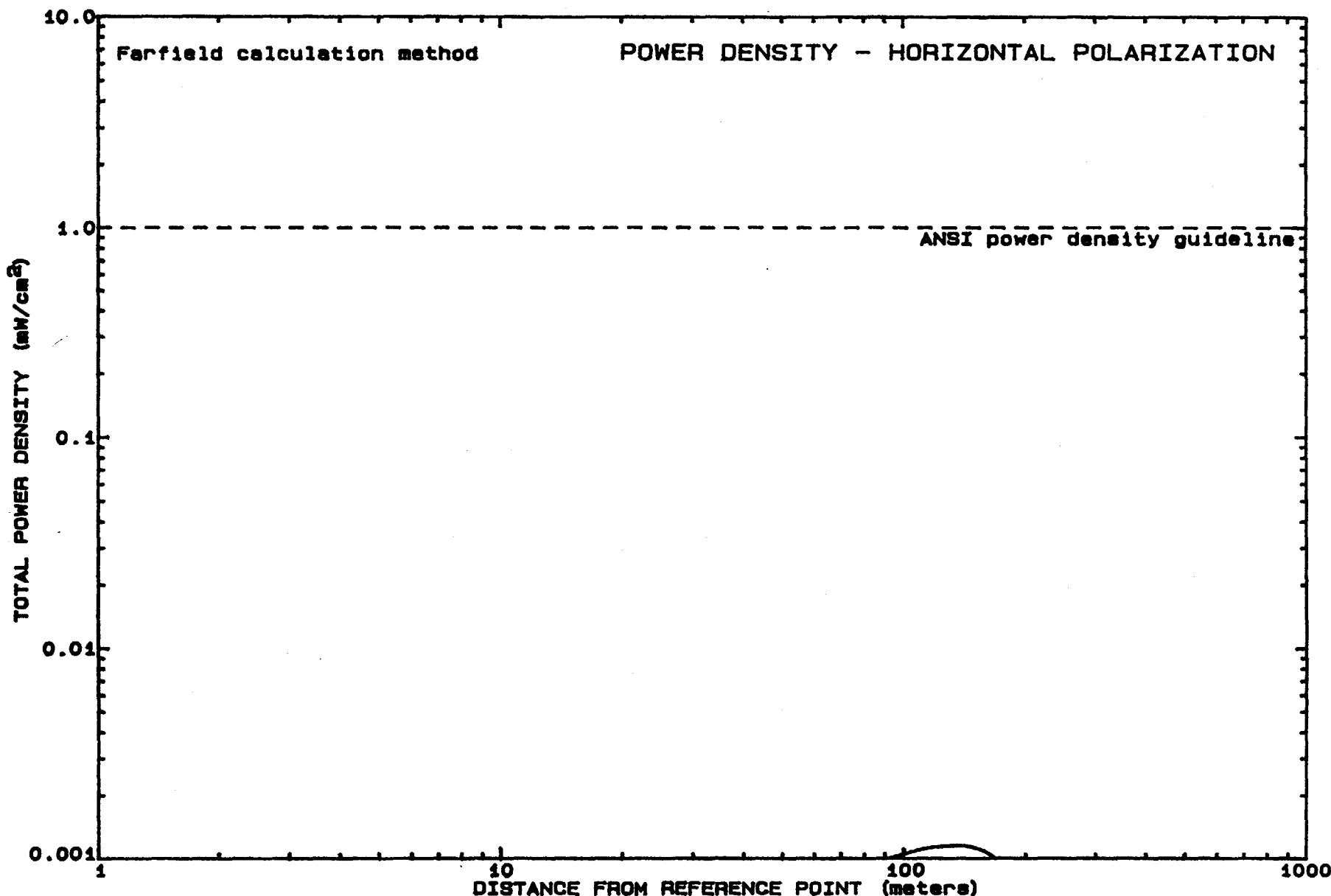


EXHIBIT "A"

The transmitting facility is so located that there is some resident population within the predicted "blanketing" contour, as defined in 47 C.F.R. 73.318. The applicant agrees that full compliance with the procedures and requirements of 73.318(b)(d) will be attained.

The applicant will take such engineering steps as may be required to satisfy complaints of "blanketing" including, but not limited to, the installation of filters, traps, or other devices to satisfy said complaints within the specified time period.

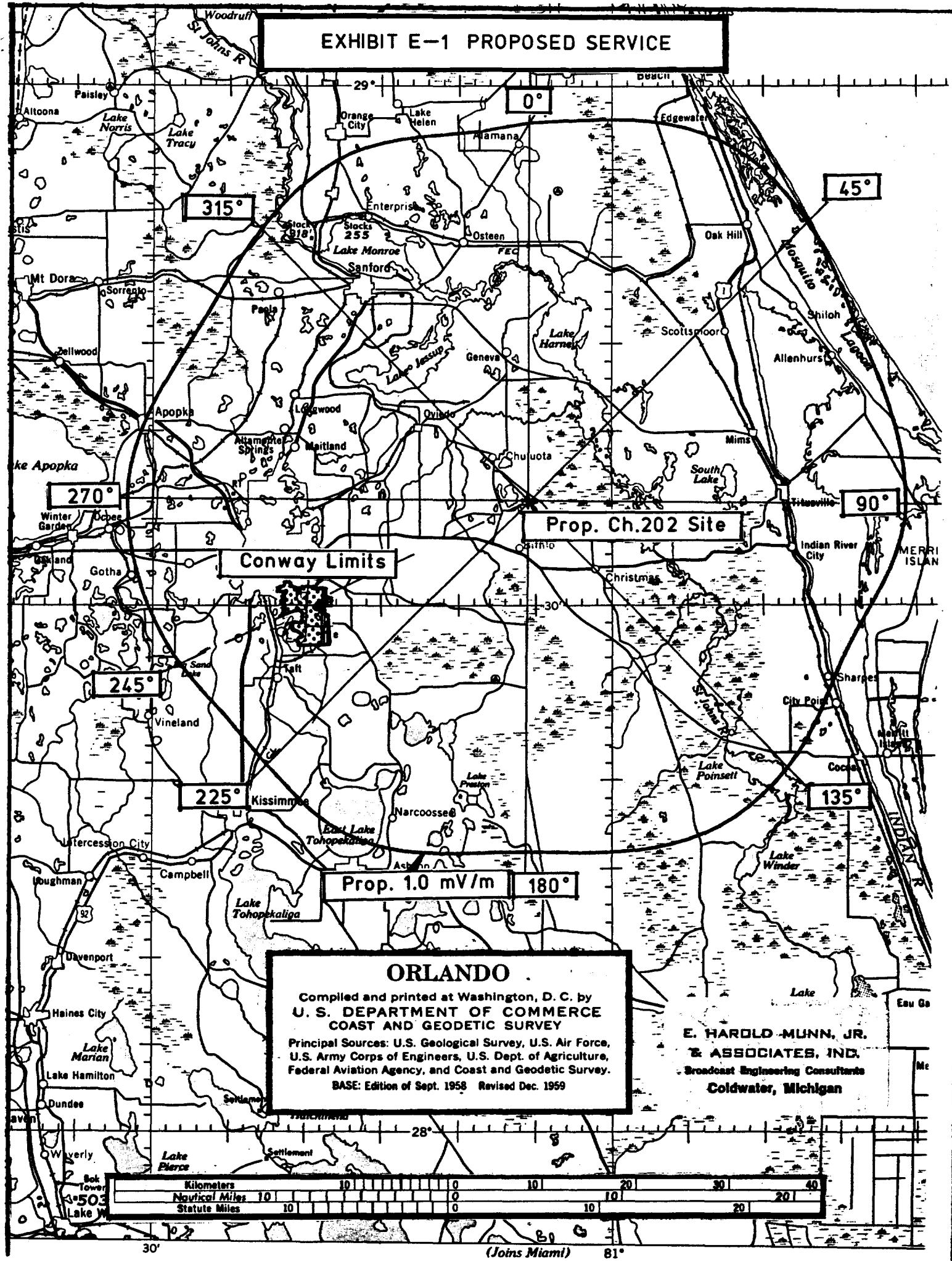
This applicant accepts full responsibility for the elimination of any objectionable interference.

The proposed transmitter is located within 10 km of existing or proposed FM and TV transmitters. This applicant does not believe that there would be any adverse effects on the operation of any other facility as a result of a grant of this application. The frequency separations, and the physical distance between the facilities should preclude any harmful effects.

In the event such harmful effects are noted, including but not limited to receiver-induced or other types of modulation, the applicant accepts full responsibility for the elimination of any objectionable interference to facilities in existence or authorized, or to radio receivers in use prior to grant of this application.

The applicant will take such engineering steps as may be required to satisfy complaints including, but not limited to, the installation of filters, traps, or other devices.

# EXHIBIT E-1 PROPOSED SERVICE



# EXHIBIT E-1A GAIN/LOSS AREA STUDY

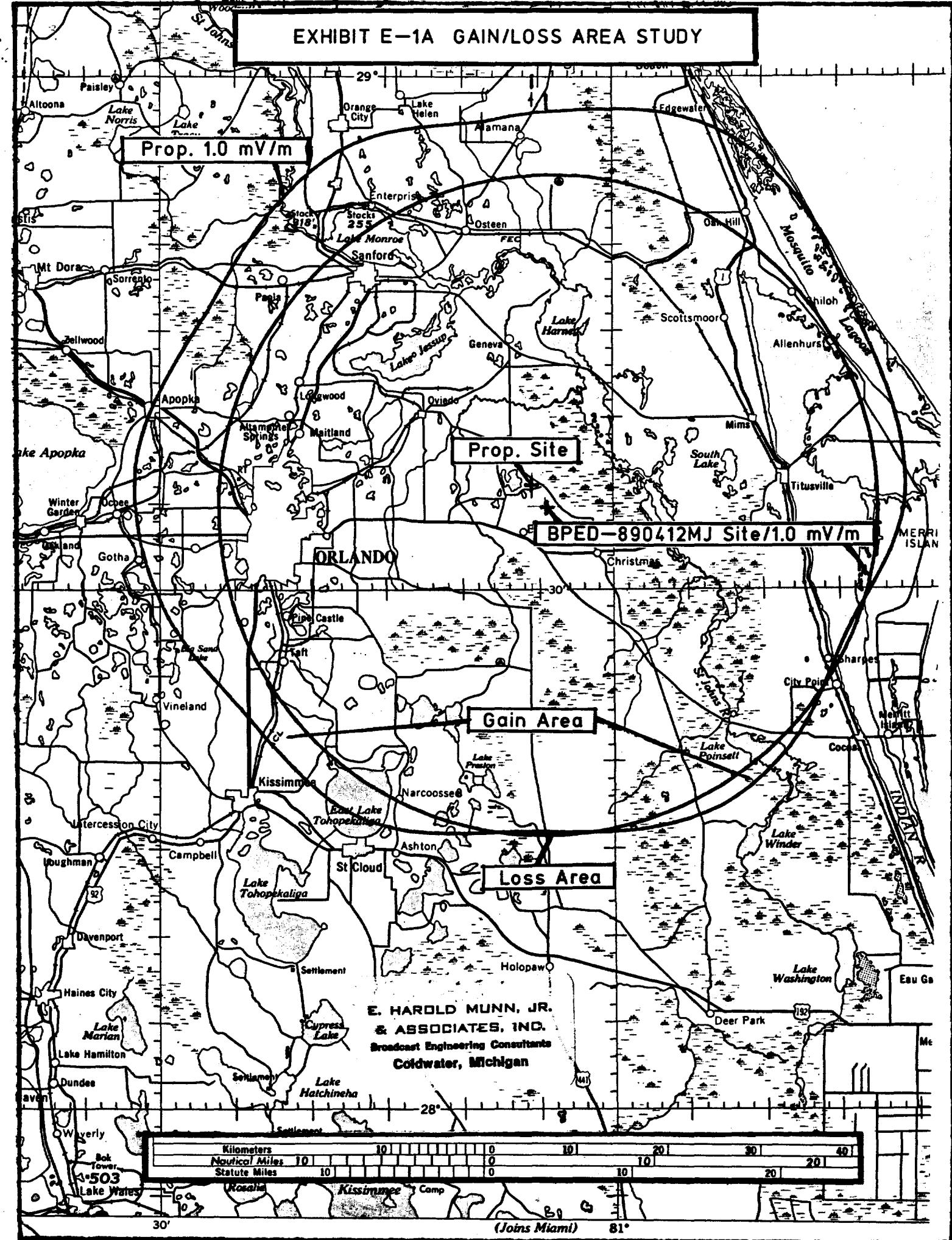


EXHIBIT E-2

ANALYSIS OF TOPOGRAPHIC DATA EMPLOYED

The topographic data employed in this application is based on the National Geophysical Center thirty second point topography data base, TPG-0050.

The averages calculated include 130 points between 3 and 16 km from the proposed transmitter site.

The transmitter site elevation was determined by means of 7.5' series topographic mapping. The site coordinates were also developed from the 7.5' series map. A portion of that map is included in this report as Exhibit E-5.

In the event a detailed topographic analysis using the 7.5' maps is required, such an analysis will be performed and supplied.

**EXHIBIT E-3**

**VERTICAL PLAN**

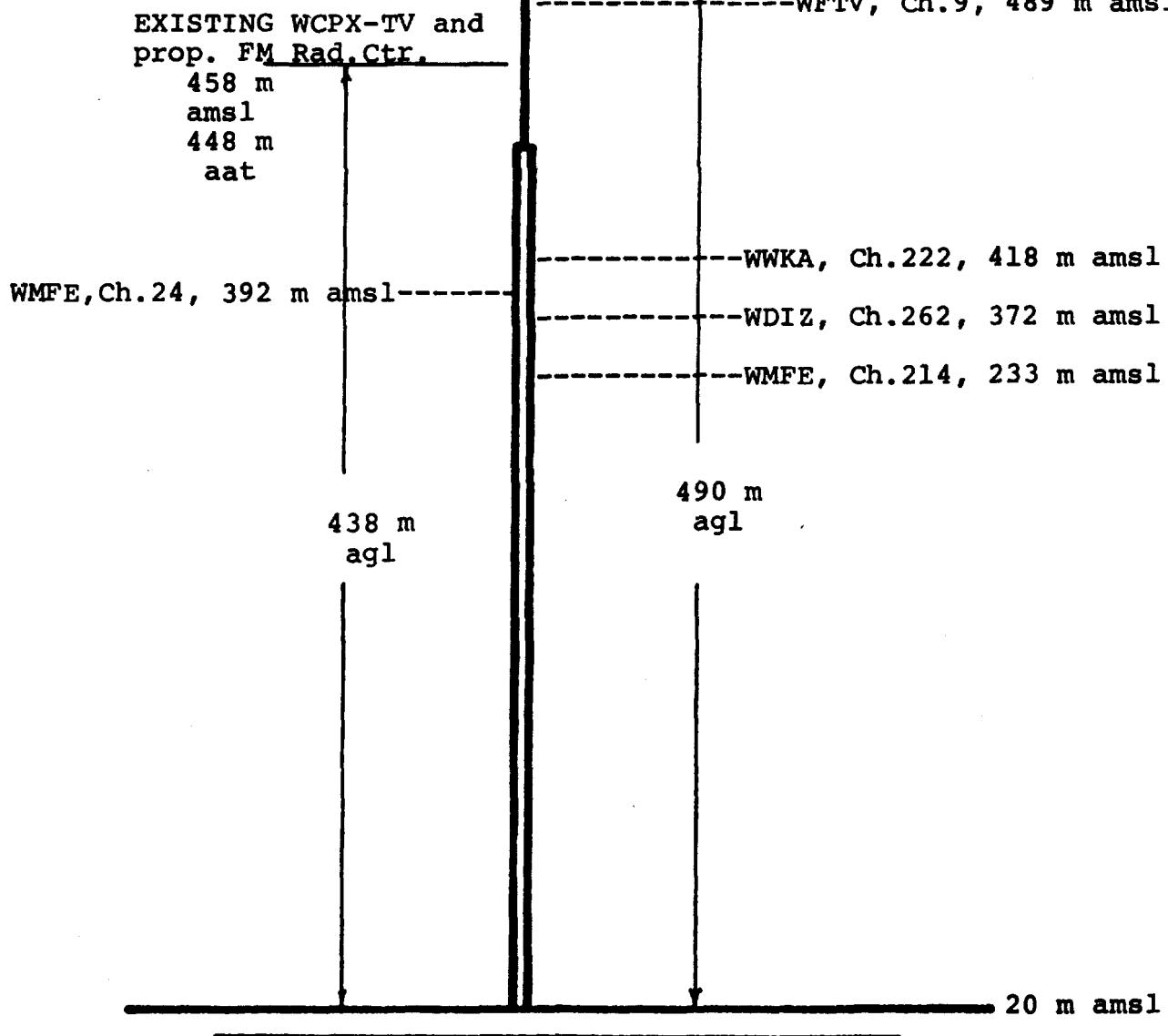
Single, guyed steel tower, EXISTING,  
supporting various TV and FM Broadcast  
facilities. NO HEIGHT CHANGE PROPOSED

**SITE LOCATION**

NL  $28^{\circ}36'08''$   
WL  $81^{\circ}05'37''$

0.72 km N. of St.Rd.420, E. of  
Lake Pickett, Bithlo, Orange  
Co., FL.

510 m amsl EXISTING  
WFTV, Ch.9, 489 m amsl



not to scale

guys not shown

PROPOSED FM OPERATING SPECIFICATIONS

Applicant: Bible Broadcasting Network

Frequency: 88.3 mHz Channel: 202C2 ERP: 1.9 kW HAAT: 448 (meters)

Transmitter Location: N. of St.Rd. 420, N. of Bithlo (WCPX-TV Site)

County: Orange

State: Florida

Site Coordinates: NL 28°36'08"; WL 81°05'37"

Site Elevation: 20 meters

Proposed Operation:

Effective Radiated Power: 1.9 (kW) H -- kW(V)

Height of Antenna Radiation Center Above:

	<u>Average Terrain</u>		<u>Mean Sea Level</u>		<u>Gnd.</u>
H	448	meters	458	m	438 m
V	----	meters	---	m	--- m

Overall Height of Structure Above Ground: 490 meters

Overall Height of Structure Above Mean Sea Level: 510 meters

PROPOSED OPERATION USING DIRECTIONAL TV ANTENNA

The facility proposed will be diplexed into the transmission line and existing antenna of WCPX-TV, Channel 6, Orlando, Florida. This system has been employed at other facilities which this firm has provided engineering services for, including WICR(FM), in Indianapolis, Indiana, which is diplexed into the antenna system of WRTV, Channel 6, Indianapolis, Indiana.

This method of injecting the FM signal into the existing antenna is well proven, and has no measureable adverse effect on the operation of either station.

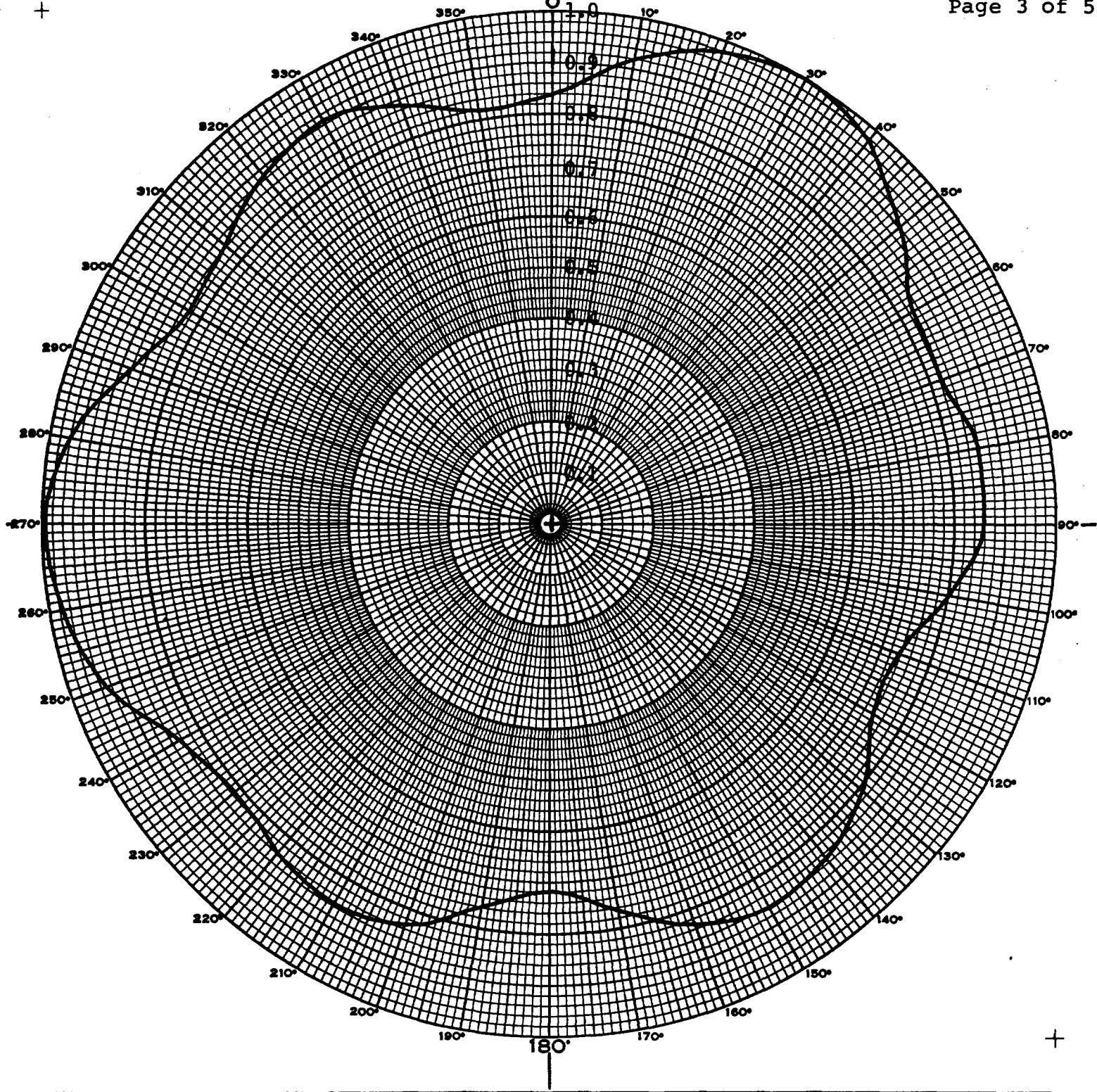
The antenna employed by WCPX is rated by the manufacturer for a bandwidth of  $\pm 10\%$  of the base channel midfrequency. Thus, the use on Channel 202 is well within the approved frequency spread for diplexing.

Due to the broadband nature of the TV antenna, it is believed that the directional pattern data included in this report is correct.

For clarity, the directional pattern data supplied by the manufacturer has been replotted and tabulated in this section.

$0^\circ = 0^\circ$  True reference

Page 3 of 5



TOWER PLACEMENT SKETCH	PATTERN PARAMETERS					FIGURE E-4	STATION DATA
	TOWER No.	ELECTRICAL HEIGHT ft'	SPACING ft'	PHASING deg'	FIELD RATIO <i>f</i>	<b>RELATIVE FIELD</b> WCPX (TV) ANTENNA RCA TBF-6AM BLCT - 2476 August 1990	CALL NEW FM FREQ 88.3 mHz POWER 1.9 kW max TYPE FM-DA TIME Unlimited LAT. $28^\circ 36' 08''$ LONG. $81^\circ 05' 37''$  E. HAROLD MUNN, JR. & ASSOCIATES, INC. COLDWATER, MICH.
	1						
	2						
	3						
	4						
	5						
	6						
<input type="checkbox"/> DAYTIME OPERATION <input type="checkbox"/> NIGHTTIME OPERATION					$\Theta^\circ = 0^\circ$		

TABULATED DIRECTIONAL ANTENNA PATTERN

MAJOR LOBE ERP IN KW = 1.9  
 MAJOR LOBE MV/M = 190

AZIMUTH	FIELD	ERP	DBK	MV/M
0	0.840	1.34	1.27	160
10	0.920	1.61	2.06	175
20	0.980	1.82	2.61	186
30	1.000	1.90	2.79	190
40	0.975	1.81	2.57	185
45	0.935	1.66	2.20	178
50	0.900	1.54	1.87	171
60	0.825	1.29	1.12	157
65	0.810	1.25	0.96	154
70	0.820	1.28	1.06	156
80	0.855	1.39	1.43	162
90	0.855	1.39	1.43	162
100	0.800	1.22	0.85	152
110	0.735	1.03	0.11	140
115	0.725	1.00	-0.01	138
120	0.735	1.03	0.11	140
130	0.805	1.23	0.90	153
135	0.830	1.31	1.17	158
140	0.850	1.37	1.38	162
150	0.865	1.42	1.53	164
160	0.835	1.32	1.22	159
170	0.770	1.13	0.52	146
180	0.720	0.98	-0.07	137
190	0.760	1.10	0.40	144
200	0.835	1.32	1.22	159
210	0.860	1.41	1.48	163
220	0.845	1.36	1.32	161
225	0.825	1.29	1.12	157
230	0.820	1.28	1.06	156
240	0.850	1.37	1.38	162
250	0.935	1.66	2.20	178
260	0.980	1.82	2.61	186
270	1.000	1.90	2.79	190
280	0.965	1.77	2.48	183
290	0.885	1.49	1.73	168
300	0.830	1.31	1.17	158
310	0.845	1.36	1.32	161
315	0.870	1.44	1.58	165
320	0.890	1.50	1.78	169
330	0.910	1.57	1.97	173
340	0.870	1.44	1.58	165
350	0.820	1.28	1.06	156
353	0.818	1.27	1.04	155

Tabulated data for RCA TBF-6AM antenna of WCPX-TV, Orlando, FL., as used by Proposed Conway, FL. Channel 202 FM.

FM Contours based on this pattern and orientation

C. HAROLD MUNN, JR.  
 & ASSOCIATES, INC.  
 Broadcast Engineering Consultants  
 Coldwater, Michigan

EXHIBIT E-4

Page 5 of 5

Calculated  
ELEVATION PATTERN  
TBF-6AM - 6

DATE: AUGUST 16, 1990

PROGRAM NO. FMP  
BEAM TILT= 0%

PLOT PREPARED FOR: BIBLE BROADCASTING      FREQ: 88.3 mHz

ELEVATION	FIELD	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
10.00	.115	:	-+*	-+-----+	-+-----+	-+-----+	-+-----+	-+-----+	-+-----+	-+-----+	-+-----+
7.50	.272	:		*							
5.00	.614	:						*			
2.50	.894	:								*	
0.00	1.000	:	-+-----+	-+-----+	-+-----+	-+-----+	-+-----+	-+-----+	-+-----+	-+-----+	*
-2.50	.891	:									*
-5.00	.609	:						*			
-7.50	.275	:			*						
-10.00	.158	:		*							
-12.50	.277	:			*						
-15.00	.279	:			*						
-17.50	.177	:		*							
-20.00	.082	:	*								
-22.50	.125	:		*							
-25.00	.144	:		*							
-27.50	.094	:	*								
-30.00	.004	:	*								
-32.50	.079	:	*								
-35.00	.121	:		*							
-37.50	.111	:		*							
-40.00	.075	:	*								
-42.50	.090	:	*								
-45.00	.148	:		*							
-47.50	.191	:			*						
-50.00	.199	:			*						
-52.50	.176	:		*							
-55.00	.134	:		*							
-57.50	.100	:		*							
-60.00	.107	:		*							
-62.50	.144	:		*							
-65.00	.182	:			*						
-67.50	.208	:			*						
-70.00	.221	:				*					
-72.50	.222	:				*					
-75.00	.215	:				*					
-77.50	.202	:				*					
-80.00	.186	:				*					
-82.50	.168	:				*					
-85.00	.150	:				*					
-87.50	.133	:				*					
-90.00	.117	:				*					

E. HAROLD MUNN, JR.  
& ASSOCIATES, INC.  
Broadcast Engineering Consultants  
Coldwater, Michigan

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

BITHLO QUADRANGLE  
FLORIDA  
7.5 SERIES (TOPOGRAPHIC)

81°07'30"  
28°37'30"

88000m.E.

CHULUOTA 1.5 MI.

190

191

5' 192

EXHIBIT E-5

3166000m.N

33

34

35

36

60

3165

T. 21 S.

T. 22 S.

SEMINOLE CO  
ORANGE CO

Lake Pickett

Site

OVIEDO 8 MI.  
CHULUOTA 2.0 MI.

4.4 MI. TO FLORIDA 80

8162

35'

E. HAROLD MUNN, JR.  
& ASSOCIATES, INC.  
Broadcast Engineering Consultants  
Coldwater, Michigan

SCALE 1:24000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

CONTOUR INTERVAL 5 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929



**EXHIBIT E-6**

08-16-1990

E.H. MUNN & ASSOCIATES

517 278-7339

CH# 202C2 - 88.3 MHz

Conway, Fl. Modify BPED-890412MJ for Bible Broadcasting Network  
INTERFERENCE CHECKS WITH NEW, CONWAY, FL AT N. LAT. 28 36 8 W. LNG. 81 5 37

PWR = 1.9 kW H.A.A.T = 448 M

Protected F(50-50) 60 dBu = 43.18 km

F(50-10) 40 dBu = 111.24 54 dBu = 65.97 80 dBu = 14.48 100 dBu = 2.88

CH# CITY	CALL STATION	TYPE STATE	* IN * LICENSEE	* OUT * <---	BEARING	DISTANCE	LAT. LNG.	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) FILE #	
201A Ocala	WHIJ.C	CP FL	VN Marion Community Radio, In	47.4 125.1	35.4	305.1	122.52 km 76.13 Mi	29 14 17 82 7 17	1.25 120.0	31.93 0	21.18 BPED870922MR
202C3 Conway	AP202	AP FL	CN Bible Broadcasting Network	-134.9 323.3	-144.2	143.3	2.96 km 1.84 Mi	28 34 51 81 4 32	1.90 300.0	94.71 309	35.92 BPED890412MJ
202C3 Conway	AP202	AP FL	CN Southwest Florida Communit	-134.9 323.3	-144.2	143.3	2.96 km 1.84 Mi	28 34 51 81 4 32	1.90 300.0	94.71 309	35.92 BPED891127MC
202C2 Starke	WTLG	LI FL	CN Starke Christian-Educ Radi	44.7 146.0	36.3	326.0	174.85 km 108.65 Mi	29 54 34 82 6 2	7.00 87.0	87.00 132	27.36 BLED890302KA
202C3 Lake Mary	AP202	AP FL	CN Hispanic Broadcast System	-135.6 323.3	-144.5	143.3	2.96 km 1.84 Mi	28 34 51 81 4 32	1.90 306.0	95.34 315	36.24 BPED891128ME
202A Lecanto	AP202	AP FL	CN The Bishop of the Diocese	24.8 102.5	9.5	282.5	143.22 km 88.99 Mi	28 52 55 82 31 30	3.80 79.0	75.20 94	22.47 890523MG
202C2 Union Park	AP202	AP FL	CN Central Florida Educationa	-125.2 180.0	-140.0	0.0	0.00 km 0.00 Mi	28 36 8 81 5 37	1.90 183.0	82.04 193	28.78 BPED881207MA
202C1 Oak Hill	AP202	AP FL	VN Mims Community Radio, Inc.	-152.0 233.5	-125.8	53.5	25.53 km 15.86 Mi	28 44 21 80 53 1	80.00 61.0	134.33 0	40.14 BPED891127MD
203A Palm Bay	CP203 *	CP FL	DVN Victory Christian Academy	25.7 326.3	6.4	146.3	73.78 km 45.84 Mi	28 2 54 80 40 34	0.08 32.8*	7.81 0	5.50 BPED881101MA
> Reference HAAT at 146.3 degrees = 442.9375 M, Pwr.= 1.41 kW, Pro. contour = 40.3 km, Int. contour = 61.83 km											
203A Mims	AP203	AP FL	CN Palm Bay Public Radio, Inc	-35.4 233.5	-52.8	53.5	25.53 km 15.86 Mi	28 44 21 80 53 1	0.50 61.0	17.73 62	12.33 BPED891127MB
203C1 Tampa	WMNF	LI FL	CN The Nathan B Stubblefield	15.1 52.4	20.1	232.4	142.36 km 88.46 Mi	27 49 4 82 14 31	70.00 158.0	84.07 178	56.28 BMLED860514KC

I.F. RELATIONSHIPS:

255C2 Orlando	WEZO.C	CPMZCN FL	20.0 R Radio Orlando	8.8 M	256.1	28.81 km 17.90 Mi	28 32 23 81 22 46	38.00 134.0	5.25 162	47.52 BMPEH880920IG
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\* Uses actual antenna radial HAAT and power toward reference

EXHIBIT E-6

TABULATION OF CALCULATED CONTOURS USED IN ALLOCATION

PROPOSED CONWAY, FLORIDA Ch. 202

DISTANCES TO CONTOURS (Kilometers):

Frequency: 88.3000 MHz

Frequency: 88.3000 MHz

F(50,50) Curves

F(50,10) Curves

AZ (degs)	HAAT (m)	ERP (dBk)	CONTOUR 60.0	AZ (degs)	HAAT (m)	ERP (dBk)	CONTOUR LEVELS (dBu):	54.0	40.0
.0	451	1.27	40.5	.0	451	1.27	61.9 106.0		
30.0	456	2.79	43.8	30.0	456	2.79	66.5 112.1		
45.0	455	2.20	42.5	45.0	455	2.20	64.8 109.8		
65.0	455	.96	40.1	65.0	455	.96	61.4 105.3		
90.0	455	1.43	41.0	90.0	455	1.43	62.7 107.0		
115.0	453	-.01	38.1	115.0	453	-.01	58.6 101.6		
135.0	447	1.17	40.1	135.0	447	1.17	61.3 105.2		
146.0	443	1.48	40.6	146.0	443	1.48	62.0 106.0		
180.0	443	-.07	37.6	180.0	443	-.07	57.8 100.4		
210.0	443	1.48	40.6	210.0	443	1.48	62.0 106.0		
225.0	442	1.12	39.8	225.0	442	1.12	60.9 104.6		
230.0	442	1.06	39.7	230.0	442	1.06	60.7 104.4		
250.0	443	2.20	42.0	250.0	443	2.20	63.9 108.6		
270.0	445	2.79	43.2	270.0	445	2.79	65.7 110.9		
300.0	444	1.17	40.0	300.0	444	1.17	61.2 105.0		
315.0	449	1.58	41.0	315.0	449	1.58	62.6 106.9		
330.0	451	1.97	41.9	330.0	451	1.97	63.8 108.5		
353.0	447	1.04	39.9	353.0	447	1.04	61.0 104.8		
245.0*	443	1.77	41.1						

\* Radial through city

E. HAROLD MUNN, JR.  
& ASSOCIATES, INC.  
Broadcast Engineering Consultants  
Coldwater, Michigan

EXHIBIT E-6

TABULATION OF CALCULATED CONTOURS USED IN ALLOCATION

WTLG, Starke, FL.

DISTANCES TO CONTOURS (Kilometers):

Frequency: 88.3000 MHz

Frequency: 88.3000 MHz

F(50,50) Curves

F(50,10) Curves

AZ (degs)	HAAT (m)	ERP (dBk)	CONTOUR 60.0	AZ (degs)	HAAT (m)	ERP (dBk)	CONTOUR 40.0
45.0	77	8.45	26.2	45.0	77	8.45	85.1
90.0	79	8.45	26.5	90.0	79	8.45	85.4
135.0	84	8.45	27.3	135.0	84	8.45	86.3
146.0	89	8.45	28.0	146.0	89	8.45	87.0
180.0	89	8.45	28.0	180.0	89	8.45	87.0
225.0	92	8.45	28.4	225.0	92	8.45	87.5

Palm Bay, FL. C.P.

DISTANCES TO CONTOURS (Kilometers):

Frequency: 88.5000 MHz

Frequency: 88.5000 MHz

F(50,50) Curves

F(50,10) Curves

AZ (degs)	HAAT (m)	ERP (dBk)	CONTOUR 60.0	AZ (degs)	HAAT (m)	ERP (dBk)	CONTOUR 54.0
.0	28	-15.00	4.2	.0	28	-15.00	6.0
20.0	28	-15.00	4.2	20.0	28	-15.00	6.0
45.0	29	-15.00	4.2	45.0	29	-15.00	6.0
90.0	30	-15.00	4.2	90.0	30	-15.00	6.0
270.0	35	-5.19	8.0	270.0	35	-5.19	11.4
290.0	35	-6.93	7.2	290.0	35	-6.93	10.3
315.0	34	-9.89	6.0	315.0	34	-9.89	8.5
326.0	34	-11.54	5.5	326.0	34	-11.54	7.7
340.0	34	-13.98	4.7	340.0	34	-13.98	6.7

WMNF, Tampa, FL.

DISTANCES TO CONTOURS (Kilometers):

Frequency: 88.5000 MHz

Frequency: 88.5000 MHz

F(50,50) Curves

F(50,10) Curves

AZ (degs)	HAAT (m)	ERP (dBk)	CONTOUR 60.0	AZ (degs)	HAAT (m)	ERP (dBk)	CONTOUR 54.0
.0	158	20.00	59.5	.0	158	20.00	89.4
45.0	153	20.00	59.0	45.0	153	20.00	88.7
53.0	152	20.00	58.8	53.0	152	20.00	88.6
90.0	154	20.00	59.1	90.0	154	20.00	88.9
135.0	146	20.00	58.1	135.0	146	20.00	87.7

EXHIBIT E-6 ALLOCATION MAP

Prop. 0.5 mV/m

Prop. 100 uV/m

Prop. Bible BC Ch.202 Site

Prop. 1 mV/m

Palm Bay Site

Palm 0.5 mV/m

Palm 1 mV/m

KILOMETERS

20 0 20 40

REFERENCE POINT COORDS:			MAP PROJECTION-ALBERS
LATITUDE:	27	45	0
LONGITUDE:	83	30	0

TIC MARK INTERVAL: .5 °

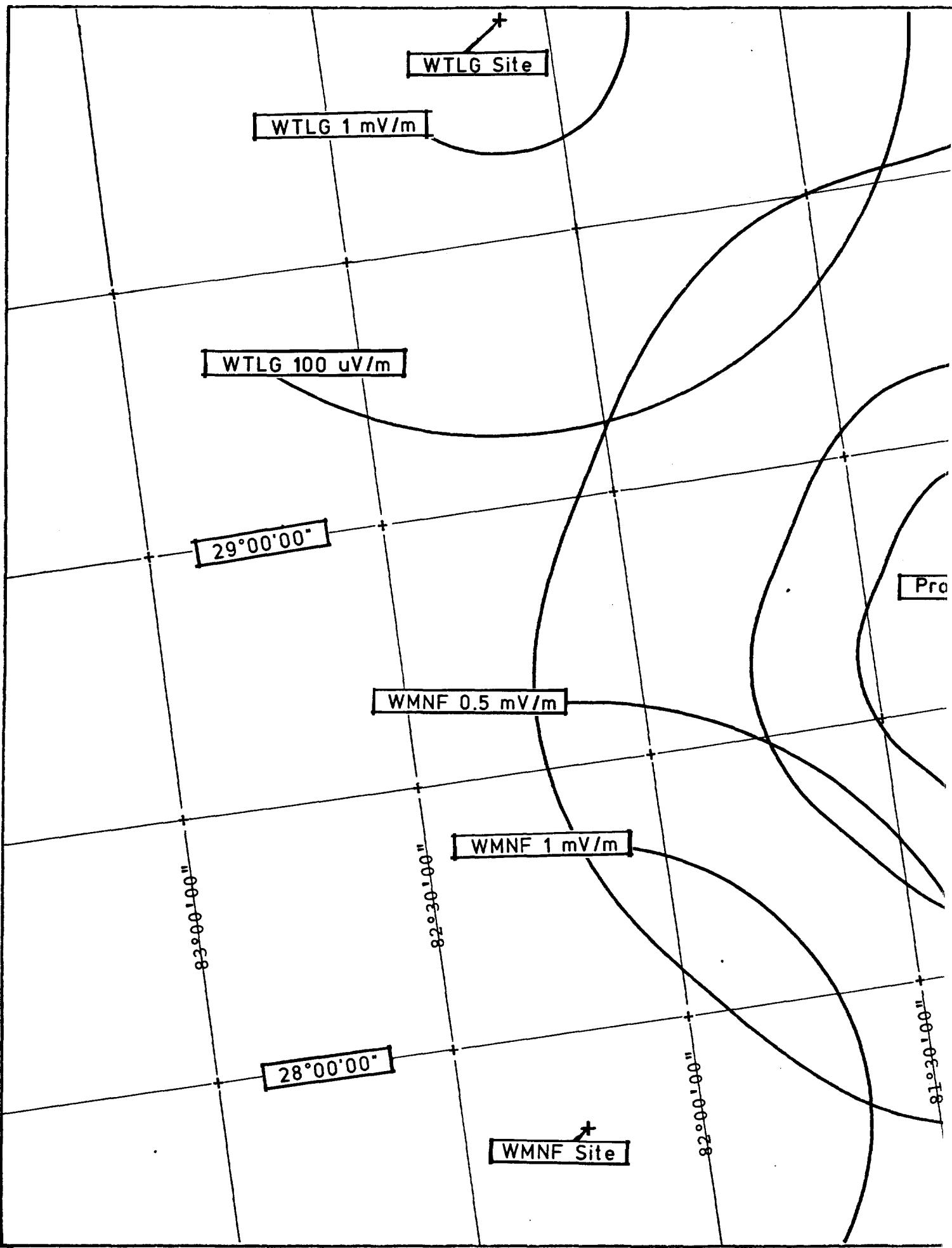


EXHIBIT E-7

STATEMENT CONCERNING CHANNEL 6 TELEVISION

The proposed FM facility is within the affected radius of WCPX, Channel 6, licensed to Orlando, Florida. In order to effectuate the establishment of the FM facility on Channel 202, 88.3 mHz, it has been found possible to collocate with Channel 6, as provided in the Rules.

The FM signal will be diplexed into the Channel 6 transmission line and antenna. This method of operation will assure that the characteristics of the FM signal will match the horizontal and vertical radiation pattern of the TV signal, as both signals will be originating from the same point in space.

For this reason, full compliance with the provisions of 47 C.F.R. 73.525 have been attained.

TRANSMITTER SITE CERTIFICATION FORM

**CERTIFICATION OF SITE AVAILABILITY**

1. The applicant certifies that it has reasonable assurance in good faith that the site or structure proposed in its application, as the location of its transmitting antenna, will be available to the application for applicant's intended purpose.

YES X NO \_\_\_\_\_

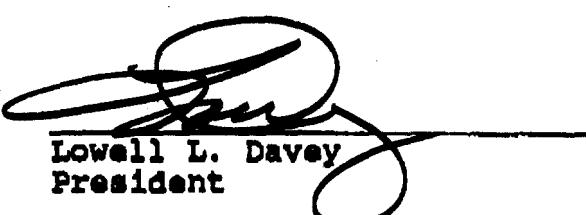
If no, explain fully

2. If reasonable assurance is not based on applicant's ownership of the proposed site or structure, applicant certifies that it has obtained such reasonable assurance by contacting the owner or person possessing control of the site or structure.

Robert K. Dashi \_\_\_\_\_ (305) 291-6000  
Name of person contacted Telephone number

Person contacted (check one):

Owner \_\_\_\_\_ Owner's Agent \_\_\_\_\_ Other(specify) X  
Chief Engineer  
WCPX-TV, Orlando, FL

  
Lowell L. Davey  
President

8/20/98  
Date

\*See Attached Letter

**CERTIFICATE OF SERVICE**

I, Patricia A. Neil, a secretary in the law firm of Smithwick, & Belendiuk, P.C., certify that on this 22nd day of August, 1990, copies of the foregoing were mailed, postage prepaid, to the following:

Mr. Dale Bickel\*  
Federal Communications Commission  
1919 M Street, N.W.  
Room 332  
Washington, D.C. 20554

Mr. Randy Henry  
President  
Florida Public Radio, Inc.  
505 Josephine Street  
Titusville, Florida 32796

James L. Oyster, Esquire  
Route 1, Box 203  
Castleton, Virginia 22716

A. Wray Fitch, III, Esquire  
Gammon & Grange  
1925 K Street, N.W.  
Suite 300  
Washington, D.C. 20006

  
\_\_\_\_\_  
Patricia A. Neil

\*hand delivery